

24577-cyb.ST25 SEQUENCE LISTING

<110> Maddon, Paul J.

<120> DERIVATIVES OF SOLUBLE T-4

<130> 24577-CY-B

<140> 09/891,119

<141> 2001-06-25

<160> 22

<170> PatentIn version 3.1

<210> 1

<211> 1273

<212> DNA

<213> Human

<220>

<221> CDS

<222> (76)..(1257)

<223>

<220>

<221> CDS

<222> (1261) . (1269)

<223>

<400> 1
caagcccaga gccctgccat ttctgtgggc tcaggtccct actgctcagc cccttcctcc 60
Page 1

						,	•		1									•
					•		. *.							, .	•			
							•	•					•	•	•	·	•	
	ctcg	ıgcaa	igg (caca	ato Met	aac Asn	cgg Arg	gga Gly	gto	cct	-cyb ttt Phe	agg	cac	ttg Leu 10	ctt Leu	ctg Leu	•	111
	gtg Val	ctg Leu	caa Gln 15	ctg Leu	gcg Ala	ctc Leu	ctc Leu	cca Pro 20	gca Ala	gcc Ala	act Thr	cag Gln	gga Gly 25	aag Lys	aaa Lys	gtg Val		159
	gtg Val	ctg Leu 30	ggc Gly	aaa Lys	aaa Lys	ggg Gly	gat Asp 35	aca Thr	gtg Val	gaa Glu	ctg Leu	acc Thr 40	tgt Cys	aca Thr	gct Ala	tcc Ser		207
	cag Gln 45	aag Lys	aag Lys	agc Ser	ata Ile	caa Gln 50	ttc Phe	cac His	tgg Trp	aaa Lys	aac Asn 55	tcc Ser	aac Asn	cag Gln	ata Ile	aag Lys 60		255
				Asn		ggc Gly												303
	aat Asn	gat Asp	cgc Arg	gct Ala 80	gac Asp	tca Ser	aga Arg	aga Arg	agc Ser 85	ctt Leu	tgg Trp	gac Asp	caa Gln	gga Gly 90	aac Asn	ttc Phe		351
						aat Asn												399
	tgt Cys	gaa Glu 110	gtg Val	gag Glu	gac Asp	cag Gln	aag Lys 115	gag Glu	gag Glu	gtg Val	caa Gln	ttg Leu 120	cta Leu	gtg Val	ttc Phe	gga Gly		447
		Thr				gac Asp 130												495
	ctg Leu	acc Thr	ttg Leu	gag Glu	agc Ser 145	CCC Pro	cct Pro	ggt Gly	agt Ser	agc Ser 150	ccc Pro	tca Ser	gtg Val	caa Gln	tgt Cys 155	agg Arg		543
	agt Ser	cca Pro	agg Arg	ggt Gly 160	aaa Lys	aac Asn	ata Ile	cag Gln	999 Gly 165	ggg Gly	aag Lys	acc Thr	ctc Leu	tcc Ser 170	gtg Val	tct Ser		591
						gat Asp												639
	aac Asn	cag Gln 190	aag Lys	aag Lys	gtg Val	gag Glu	ttc Phe 195	Lys	ata Ile	gac Asp	atc Ile	gtg Val 200	gtg Val	cta Leu	gct Ala	ttc Phe		687
	cag Gln 205	aag Lys	gcc Ala	tcc Ser	agc Ser	ata Ile 210	gtc Val	tat Tyr	aag Lys	aaa Lys	gag Glu 215	ggg Gly	gaa Glu	cag Gln	gtg val	gac Asp 220		735
,	ttc Phe	tcc Ser	ttc Phe	cca Pro	ctc Leu 225	gcc Ala	ttt Phe	aca Thr	gtt Val	gaa Glu 230	Lys	ctg Leu	acg Thr	ggc Gly	agt ser 235	ggc Gly	•	783
	gag Glu	ctg Leu	tgg Trp	tgg Trp 240	Gln	gcg Ala	gag Glu	agg Arg	gct Ala 245	Ser	tcc Ser Page	Ser	aag Lys	tct Ser 250	Trp	atc Ile		831
							•											

•

24577-cvb.st25

_																•
acc Thr	ttt Phe	gac Asp 255	ctg Leu	aag Lys	aac Asn	aag Lys	gaa Glu 260	gtg Val	tct Ser	gta Val	aaa Lys	cgg Arg 265	gtt Val	acc Thr	cag Gln	879
gac Asp	cct Pro 270	aag Lys	ctc Leu	cag Gln	atg Met	ggc Gly 275	aag Lys	aag Lys	ctc Leu	ccg Pro	ctc Leu 280	cac His	ctc Leu	acc Thr	ctg Leu	927
ccc Pro 285	cag Gln	gcc Ala	ttg Leu	cct Pro	cag Gln 290	tat Tyr	gct Ala	ggc Gly	tct Ser	gga Gly 295	aac Asn	ctc Leu	acc Thr	ctg Leu	gec Ala 300	975
ctt Leu	gaa Glu	gcg Ala	aaa Lys	aca Thr 305	GIY	aag Lys	ttg Leu	cat His	cag Gln 310	gaa Glu	gtg Val	aac Asn	ctg Leu	gtg Val 315	gtg Val	1023
atg Met	aga Arg	gcc Ala	act Thr 320	cag Gln	ctc Leu	cag Gln	aaa Lys	aat Asn 325	ttg Leu	acc Thr	tgt Cys	gag Glu	gtg Val 330	tgg Trp	gga Gly	1071
ccc Pro	acc Thr	tcc ser 335	cct Pro	aag Lys	ctg Leu	atg Met	ctg Leu 340	agc Ser	ttg Leu	aaa Lys	ctg Leu	gag Glu 345	aac Asn	aag Lys	gag Glu	1119
gca Ala	aag Lys 350	gtc Val	tcg Ser	aag Lys	cgg Arg	gag Glu 355	aag Lys	gcg Ala	gtg Val	tgg Trp	gtg Val 360	ctg Leu	aac Asn	cct Pro	gag Glu	1167
gcg Ala 365	ggg Gly	atg Met	tgg Trp	cag Gln	tgt Cys 370	ctg Leu	ctg Leu	agt Ser	Asp	tcg Ser 375	gga Gly	cag Gln	gtc Val	ctg Leu	ctg Leu 380	1215
gaa Glu	tcc Ser	aac Asn	atc Ile	aag Lys 385	gtt Val	ctg Leu	ccc Pro	aca Thr	tgg Trp 390	tcc Ser	acc Thr	ccg Pro	gtg Val	taa	tgg Trp 395	1263
	ctc Leu	taga	i ·								•					1273
															4	

<210> 2

<211> 397

<212> PRT

<213> Human

<400> 2

Met Asn Arg Gly Val Pro Phe Arg His Leu Leu Leu Val Leu Gln Leu 10 15

Ala Leu Leu Pro Ala Ala Thr Gln Gly Lys Lys Val Val Leu Gly Lys 20 25 30

Lys Gly Asp Thr Val Glu Leu Thr Cys Thr Ala Ser Gln Lys Lys Ser Page 3

Ile Gln Phe His Trp Lys Asn Ser Asn Gln Ile Lys Ile Leu Gly Asn 50 60 Gln Gly Ser Ser Leu Thr Lys Gly Pro Ser Lys Leu Asn Asp Arg Ala 65 70 75 80 Asp Ser Arg Arg Ser Leu Trp Asp Gln Gly Asn Phe Pro Leu Ile Ile 85 90 95 Arg Asn Leu Lys Ile Glu Asp Ser Asp Thr Tyr Ile Cys Glu Val Glu 100 110 Asp Gln Lys Glu Glu Val Gln Leu Leu Val Phe Gly Leu Thr Ala Asn 115 120 125 Ser Asp Thr His Leu Leu Gln Gly Gln Ser Leu Thr Leu Glu 130 140 Ser Pro Pro Gly Ser Ser Pro Ser Val Gln Cys Arg Ser Pro Arg Gly 145 150 160 Lys Asn Ile Gln Gly Gly Lys Thr Leu Ser Val Ser Gln Leu Glu Leu 165 170 175 Gln Asp Ser Gly Thr Trp Thr Cys Thr Val Leu Gln Asn Gln Lys Lys 180 185 190 Val Glu Phe Lys Ile Asp Ile Val Val Leu Ala Phe Gln Lys Ala Ser 195 200 205 Ser Ile Val Tyr Lys Lys Glu Gly Glu Gln Val Asp Phe Ser Phe Pro 210 215 220 Leu Ala Phe Thr Val Glu Lys Leu Thr Gly Ser Gly Glu Leu Trp Trp 225 230 235 240 Gln Ala Glu Arg Ala Ser Ser Ser Lys Ser Trp Ile Thr Phe Asp Leu 245 250 Lys Asn Lys Glu Val Ser Val Lys Arg Val Thr Gln Asp Pro Lys Leu 260 265 270 Gln Met Gly Lys Lys Leu Pro Leu His Leu Thr Leu Pro Gln Ala Leu 275 280 285

Pro Gl 29	n Tyr Ala O	Gly Ser	Gly Asr 295	Leu T	hr Leu	Ala Leu 300	Glu Ala	Lys	.*
Thr Gl 305	y Lys Leu	His Glr 310		Asn L	eu Val 315	Val Met	: Arg 🍂 la	Thr 320	
Gln Le	u Gln Lys	Asn Leu 325	Thr Cys	Glu. V	al Trp 30	Gly Pro	Thr Ser 335	Pro	
Lys Le	u Met Leu 340		ı Lys Lei	ı Glu A 345	sn Lys	-Glu - Äla	Lys Val	Ser	
Lys Ar	g Glu Lys 355	Ala Val	Trp Va 360		sn Pro	Glu Ala 365	Gly Met	Trp	
Gln Cy 37	s Leu Leu O	Ser Ası	Ser Gly 375	/ Gln V	al Leu	Leu Glu 380	ı Ser Asn	Ile	
Lys Va 385	l Leu Pro	Thr Tri	Ser Thi	r Pro V	al Trp 395	Arg Lei	1		
<210>	3 91	*							
<212>	DNA	al cany					•		
	Artifici	ar seque	ence						
<220> <223>	OMPAST4			.*.					
	aaag acag				actggct	ggtttc	gcta ccgt	agcgca	60
ggccgg	ictct agag	tcgacc ·	tagttaac	ta g					91
<210>	4				•				
<211>	48					* * * * * * * * * * * * * * * * * * * *	•	\$	
<212>	DNA	1							
<213>	Artifici	al Sequ	ence			- . 2			:
<220>				,					
<223>	sk 727/7	725							
400	A		•		1	1.			

Page 5

gaccag	24577-cyb.ST25 gaagg aggaggtgca attgctagtg ttcggattga ctgccaac	48
<210>		
<212>	DNA	
	Artificial Sequence	
• ;	enter de la companya de la Colonia de la companya de la colonia de la colonia de la colonia de la colonia de l La colonia de la colonia d	
<220>		
<223>	sk 727/725	
<400> cgagtt	5 ggca gtcaatccga acactagcaa ttgcacctcc tccttctg	48
<210>	6	
<211>	48	
<212>	DNA	
<213>	Artificial Sequence	
		•
<220>		
	sk 791/792	
<400> gaccag	6 aagg aggaggtgca attgctagtg ttcggattga ctgccaac	48
<210>	7	
<211>	48	
<212>	DNA	
<213>	Artificial Sequence	•
•		
<220>		
n i i	sk 791/792	
<400> cgagtt	7 ggca gtcaatccga acactagcaa ttgcacctcc tccttctg	48
<210>	8	
<211>	1742	•
J212s	DNA	

	<400> 8			•			* *
		gccctgccat	ttctgtgggc	tcaggtccct	actgctcagc	cccttcctcc	60
	ctcggcaagg	ccacaatgaa	ccggggagtc	ccttttaggc	acttgcttct	ggtgctgcaa	120
	ctggcgctcc	tcccagcagc	cactcaggga	aacaaagtgg	tgctgggcaa	aaaaggggat	180
	acagtggaac	tgacctgtac	agcttcccag	aagaagagca	tacaattcca	ctggaaaaac	240
	tccaaccaga	taaagattct	gggaaatcag	ggctccttct	taactaaagg	tccatccaag	300
	ctgaatgatc	gcgctgactc	aagaagaagc	ctttgggacc	aaggaaactt	cccctgatc	360
	atcaagaatc	ttaagataga	agactcagat	acttacatct	gtgaagtgga	ggaccagaag	420
	gaggaggtgc	aattgctagt	gttcggattg	actgccaact	ctgacaccca	cctgcttcag	480
	gggcagagcc	tgaccctgac	cttggagagc	cccctggta	gtagcccctc	agtgcaatgt	540
	aggagtccaa	ggggtaaaaa	catacagggg	gggaagaccc	tctccgtgtc	tcagctggag	600
	ctccaggata	gtggcacctg	'gacatgcact'	gtcttgcaga	accagaagaa	ggtggagttc	660
•	aaaatagaca	tcgtggtgct	agctttccag	aaggcctcca	gcatagtcta	taagaaagag	720
	ggggaacagg	tggagttctc	cttcccactc	gcctttacag	ttgaaaagct	gacgggcagt	780
	ggcgagctgt	ggtggcaggc	ggagagggct	tcctcctcca	agtcttggat	cacctttgac	840
	ctgaagaaca	aggaagtgtc	tgtaaaacgg	gttacccagg	accctaagct	ccagatgggc	900
	aagaagctcc	cgctccacct	caccctgccc	caggccttgc	ctcagtatgc	tggctctgga	960
	aacctcaccc	tggcccttga	agcgaaaaca	ggaaagttgc	atcaggaagt	gaacctggtg	1020
	gtgatgagag	ccactcagct	ccagaaaaat	ttgacctgtg	aggtgtgggg	acccacctcc	1080
•	cctaagctga	tgctgagctt	gaaactggag	aacaaggagg	caaaggtttc	gaagcgggag	1140
	aaggcggtgt	gggtgctgaa	ccctgaggcg	gggatgtggc	agtgtctgct	gagtgactcg	1200
	ggacaggtcc	tgctggaatc	caacatcaag	gttctgccca	catggtccac	cccggtgcag	1260
	ccaatggccc	tgattgtgct	ggggggcgtc	gccggcctcc	tgcttttcat	tgggctaggc	1320
	atcttcttct	gtgtcaggtg	ccggcaccga	aggcgccaag	cagagcggat	gtctcagatc	1380
	aagagactcc	tcagtgagaa	gaagacctgc	cagtgccctc	accggtttca	gaagacatgt	1440
	agccccattt	gaggcacgag	gccaggcaga	tcccacttgc	agcctcccca	ggtgtctgcc	1500
	ccgcgtttcc	tgcctgcgga	ccagatgaat	gtagcagatc	ccacgctctg	gcctcctgtt	1560
			attgtttctc		and the second s		1620
	tgttgctctc	tagtttccag	aggcttaatc	acaccgtcct	ccacgccatt	tccttttcct	1680
	tcaagcctag	cccttctctc	attatttctc	tctgaccctc	tccccactgc	tcatttggat	1740
					· ·		

<210> 9

<211> 457

<212> PRT

<213> human

<400> 9

Met Asn Arg Gly Val Pro Phe Arg His Leu Leu Leu Val Leu Gln Leu 10 15

Ala Leu Leu Pro Ala Ala Thr Gln Gly Asn Lys Val Val Leu Gly Lys 20 25 30

Lys Gly Asp Thr Val Glu Leu Thr Cys Thr Ala Ser Gln Lys Lys Ser 40 45

Ile Gln Phe His Trp Lys Asn Ser Asn Gln Ile Lys Ile Leu Gly Asn 50 60

Gln Gly Ser Phe Leu Thr Lys Gly Pro Ser Lys Leu Asn Asp Arg Ala 65 70 75 80

Asp Ser Arg Arg Ser Leu Trp Asp Gln Gly Asn Phe Pro Leu Ile Ile 85 90 95

Lys Asn Leu Lys Ile Glu Asp Ser Asp Thr Tyr Ile Cys Glu Val Glu 100 105 110

Asp Gln Lys Glu Glu Val Gln Leu Leu Val Phe Gly Leu Thr Ala Asn 115 120 125

Ser Asp Thr His Leu Leu Gln Gly Gln Ser Leu Thr Leu Thr Leu Glu 130 140

Ser Pro Pro Gly Ser Ser Pro Ser Val Gln Cys Arg Ser Pro Arg Gly 150 155 160

Lys Asn Ile Gln Gly Gly Lys Thr Leu Ser Val Ser Gln Leu Glu Leu 165 170 175

Gln Asp Ser Gly Thr Trp Thr Cys Thr Val Leu Gln Asn Gln Lys Lys 180 185

Val	Glu	Phe 195	Lys	Ile	Asp	Ile	Va 1 200	Val [*]	Leu	Ala	Phe	61n 205	Lys	Ala	Ser
Ser	11e 210	val	Tyr	Lys	Lys	Glu 215	Glý	Glu	Gln	val	G1u 220	Phe	Ser	Phe	Pro
Leu 225	Ala	Phe	Thr	val	Glu 230	Lys	Leu	Thr	Gly	Ser 235	Gly	Glu	Leu	Trp	Trp 240
Gln	Ala	Glu	Arg	Ala 245	Ser	ser	Ser	Lys	Ser 250	Trp	Ile	Thr	Phe	Asp 255	Leu
Lys	Asn	Lys	G]u 260	۷al	Ser	val	Lys	Arg 265	val	Thr	Gln	Asp	Pro 270	Lys	Leu
Gln	Met	Gly 275	Lys	Lys	Leu	Pro	Leu 280	His	Leu	Thr	Leu	Pro 285	Gln	Ala	Leu
Pro	G]n 290	Туг	Ala	Gly	Ser	Gly 295	Asn	Leu	Thr	Leu	Ala 300	Leu	Glu	Ala	Lys
Thr 305	Gly	Lys	Leu	His	Gln 310	Glu	val	Asn	Leu	val 315	val	Met	Arg	Ala	Thr 320
Gln	Leu	Gln	Lys	Asn 325	Leu	Thr	Cys	Glu	Val 330	Trp	Glу	Pro	Thr	Ser 335	Pro
Lys	Leu	Met	Leu 340	Ser	Leu	Lys	Leu	Glu 345	Asn	Lys	Glu	Ala	Lys 350	٧a٦	Ser
Lys	Arg	Glu 355	Lys	Ala	Val	Trp	Val 360	Leu	Asn	Pro	Glu	Ala 365	Gly	Met	Trp
Gln	Cys 370	Leu	Leu	Ser	Asp	Ser 375	Glу	Gln	val	Leu	Leu 380		Ser	Asn	Ile
Lys 385	Val	Leu	Pro	Thr	Trp 390	Ser	Thr	Pro	٧al	G]n 395	Pro	Met	Ala	Leu	Ile 400
val	Leu	Gly	Gly	Val 405	Ala	Gly	Leu	Leu	Leu 410	Phe	Ile	Gly	Leu	Gly 415	Ile
Phe	Phe	Cys	va1 420	Arg	Cys	Arg	His	Arg 425	Arg	Arg	Gln	Ala	G]u 430	Arg	Met
Ser	Gln	1]e 435	Lys	Arg	Leu	Leu	Ser 440	Glu	Lys	Lys	Thr	Cys 445	Gln	Çys	Pro

His Arg Phe Gln Lys Thr Cys Ser Pro 450

<210> 10

<211> 94

<212> PRT

<213> human

<400> 10

Gln Gly Asn Lys Val Val Leu Gly Lys Lys Gly Asp Thr Val Glu Leu 10 15

Thr Cys Thr Ala Ser Gln Lys Lys Ser Ile Gln Phe His Trp Lys Asn 20 25 30

Ser Asn Gln Ile Lys Ile Leu Gly Asn Gln Gly Ser Phe Leu Thr Lys

Gly Pro Ser Lys Leu Asn Asp Arg Ala Asp Ser Arg Arg Ser Leu Trp 50 60

Asp Gln Gly Asn Phe Pro Leu Ile Ile Lys Asn Leu Lys Ile Glu Asp 65 70 75

Ser Asp Thr Tyr Ile Cys Glu Val Glu Asp Gln Lys Glu Glu 85

<210> 11

<211> 96

<212> PRT

<213> Mouse

<400> 11

Asp Val Gln Met Ile Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly 10 15

Asp Ile Val Thr Met Thr Cys Gln Ala Ser Gln Gly Thr Ser Ile Asn 20 25 30

Leu Asn Trp Phe Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile 35 40 45 Page 10 Tyr Gly Ala Ser Ile Leu Glu Asp Gly Val Pro Ser Arg Phe Ser Gly 50 60.

Ser Arg Tyr Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Asp 65 70 75 80

Glu Asp Met Ala Thr Tyr Phe Cys Leu Gln His Ser Tyr Leu Pro Tyr 85 90 95

<210> 12

<211> 14

<212> PRT

<213> human

<400> 12

Thr Gly Cys Trp Ile Gly Arg Phe Gly Ser Leu Ile Tyr Cys $1 \hspace{1cm} 10$

<210> 13

<211> 102

<212> PRT

<213> human

<400> 13

Ser Gln Phe Arg Val Ser Pro Leu Asp Arg Thr Trp Asn Leu Gly Glu
10 15

Thr Val Glu Leu Lys Cys Gln Val Leu Leu Ser Asn Pro Thr Ser Gly 20 25 30

Cys Ser Trp Leu Phe Gln Pro Arg Gly Ala Ala Ser Pro Thr Phe $\frac{35}{40}$

Leu Leu Tyr Leu Ser Gln Asn Lys Pro Lys Ala Ala Glu Gly Leu Asp 50 60

Thr Gln Arg Phe Ser Gly Lys Arg Leu Gly Asp Thr Phe Val Leu Thr 65 70 75 80

Leu Ser Asp Phe Arg Arg Glu Asn Glu Gly Tyr Tyr Phe Cys Ser Ala Page 11 Leu Ser Asn Ser Ile Met 100

<210> 14

<211> 102

<212> PRT

<213> human

<400> 14

Asp Ala Gly Val Ile Gln Ser Pro Arg His Glu Val Thr Glu Met Gly
10 15

Gln Glu Val Thr Leu Arg Cys Lys Pro Ile Ser Gly His Asn Ser Leu 20 25 30

Phe Trp Tyr Arg Gln Thr Met Met Arg Gly Leu Glu Leu Leu Ile Tyr 35 40 45

Phe Asn Asn Asn Val Pro Ile Asp Asp Ser Gly Met Pro Glu Asp Arg 50 60

Phe Ser Ala Lys Met Pro Asn Ala Ser Phe Ser Thr Leu Lys Ile Gln 65 70 75 80

Pro Ser Glu Pro Arg Asp Ser Ala Val Tyr Phe Cys Ala Ser Ser Phe 85 90 95

Ser Thr Cys Ser Ala Asn 100

<210> 15

<211> 99

<212> PRT

<213> human

<400> 15

Gln Lys Val Thr Gln Ala Gln Thr Glu Ile Ser Val Val Glu Lys Glu 10 15

24577-cyb.sT25
Asp Val Thr Leu Asp Cys Val Tyr Glu Thr Arg Asp Thr Thr Tyr Tyr
20 25 30 Leu Phe Trp Tyr Lys Gln Pro Pro Ser Gly Glu Leu Val Phe Leu Ile 35 40 45 Arg Arg Asn Ser Phe Asp Glu Gln Asn Glu Ile Ser Gly Arg Tyr Ser 50 60 Trp Asn Phe Gln Lys Ser Thr Ser Ser Phe Asn Phe Thr Ile Thr Ala 65 70 75 80 Ser Gln Val Val Asp Ser Ala Val Tyr Phe Cys Ala Leu Asp Ser Ser 85 90 95 Ala Ser Lys <210> <211> 12 <212> PRT <213> human <400> 16 Leu Val Phe Gly Leu Thr Ala Asn Ser Asp Thr His <210> 17 <211> 12 <212> PRT <213> human <400> 17 Leu Tyr Phe Gly Glu Gly Thr Arg Leu Thr Val Leu <210> 18 <211> 13

<212>

<213>

PRT

human

Page 13

```
<400> 18
Trp Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly 1
<210> 19
<211> 12
<212> PRT
<213> human
<400> 19
Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
1 10
<210> 20
<211> 12
<212> PRT
<213> human
<400> 20
Ile Ile Phe Gly Ser Gly Thr Arg Leu Ser Ile Arg 1 	ext{0}
<210>
      21
<211>
      31
<212>
<213>
       human
<400> 21
Ser Thr Pro Val Gln Pro Met Ala Leu Ile Val Leu Gly Gly Val Ala 10 15
Gly Leu Leu Phe Ile Gly Leu Gly Ile Phe Phe Cys Val Arg 20 25 30
<210> 22
```

Page 14

<211> 31

<212> PRT

<213> human

<400> 22

Ser Thr Ser Ala Gln Asn Lys Met Leu Ser Gly Val Gly Gly Phe Val 10 15

Leu Gly Leu Leu Phe Leu Gly Leu Gly Leu Phe Ile Tyr Phe Arg 20 25 30